

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 October 2004 (21.10.2004)

PCT

(10) International Publication Number
WO 2004/089679 A3

(51) International Patent Classification⁷: **E01F 1/00**

(21) International Application Number:
PCT/GB2004/001594

(22) International Filing Date: 13 April 2004 (13.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0308330.0 10 April 2003 (10.04.2003) GB

(71) Applicant (for all designated States except US): **ADVANCED TRANSPORT SYSTEMS LTD** [GB/GB];
Unit 5 Brunel Way, Thornbury, Bristol BS35 3UR (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LOWSON, Martin, V.** [GB/GB]; Alpenfels, North Road, Leigh Woods, Bristol, BS8 3PJ (GB). **COOK, Christopher, V.** [GB/GB]; Stourton House, Shipton-on-Stour, Warkshire CV36 5HG (GB). **HUGHES, David, G., H.** [GB/GB]; 173 Badminton Road, Downend, Bristol BS16 6NW (GB).

(74) Agent: **CHEYNE, John, Robert, Alexander, Mackenzie**; Haseltine Lake, Imperial House, 15-19 Kingsway, London WC2B 6UD (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

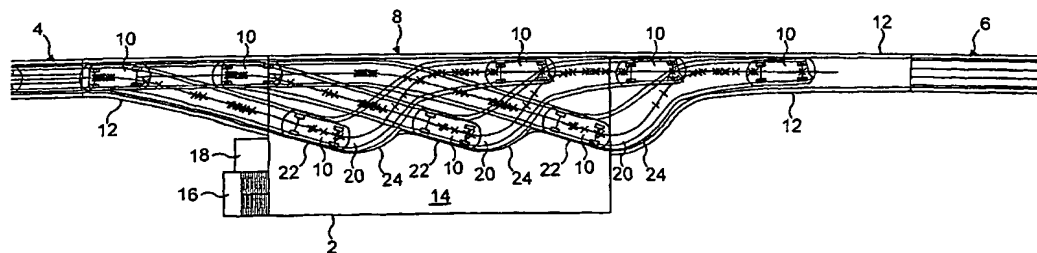
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
29 December 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: STATION DESIGN



(57) Abstract: A station (2) in a personal rapid transit system has a platform (14), the edge of which defines bays (20) for parked vehicles (10). The parked vehicles are out of the path of travelling vehicles moving in a transit path extending between an entry section (4) and an exit section (6). The bays (10) include parking sections (22) alongside which the vehicles may park to enable easy transfer of passengers into and out of the vehicles. The disposition of the parking sections (22) allows the steered vehicles (10) to park close to the platform edge. The stations comprise bypass tracks (36) branched off the main track (30) and disposed in various configurations.

WO 2004/089679 A3

INTERNATIONAL SEARCH REPORT

International Application No
 CT/GB2004/001594

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 E01F1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 E01F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	DR. JON BELL, PRESBYTERIAN COLLEGE, CLINTON SC: "San Francisco, California: Bay Area Rapid Transit (BART)" "Online!" XP002291760 Retrieved from the Internet: URL: ">http://web.presby.edu/{jtbell/transit/ SanFrancisco/BART/> 'retrieved on 2004-08-09!	1,2, 4-10,22
Y A	-/--	3 7,11-22

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

19 October 2004

Date of mailing of the international search report

27/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Geivaerts, D

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/001594

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	-& DR. JON BELL, PRESBYTERIAN COLLEGE, CLINTON SC: "San Francisco, California: Bay Area Rapid Transit (BART)" "Online! XP002291761 Retrieved from the Internet: URL: http://web.presby.edu/{jtbell/transit/ images/SanFrancisco/BART/DublinBus2.jpg} 'retrieved on 2004-08-09!	1, 2, 4-6, 8-10
X	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 13, 30 November 1999 (1999-11-30) -& JP 11 209926 A (HINO AUTO BODY LTD), 3 August 1999 (1999-08-03) abstract	1, 2, 4, 5, 8
X	US 4 061 089 A (SAWYER ELBERT MORGAN) 6 December 1977 (1977-12-06) column 9, line 30 - line 68 figure 10	11-21
Y		3

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/001594

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 11209926	A	03-08-1999	NONE	
US 4061089	A	06-12-1977	NONE	